Kotlin Programming: Functional Programming

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Introduction to Mobile Applications Development
GDSPROC
Uniquindío

GET and POST are the two most common types of requests in HTTP (Hypertext Transfer Protocol). GET is used to retrieve data from a specified resource in a server, where parameters for request can be appended to URL, for instance in URL http://postman-echo.com/get?foo1=bar1&foo2=bar2, arguments foo1 and foo2 take values bar1 and bar2 respectively. On the other hand, POST is used to send data to a server to create or update a resource, data are appended to HTTP request body instead of appending them to URL.

In this lab you will write an asynchronous function to perform a POST request to a server. To accomplish this task, please carefully follow next steps:

1. Consider `httpPost` function in file `httpPost.kt` file which allows performing POST requests to a server by using arguments `url` and `data`, `httpPost` returns server response. Write a main function and test `httpPost` by using following URL https://postman-echo.com/post and any data you want, print server response.
2. By using asynchronous and suspend functions, write the `httpPostAsync` function which has to conform following prototype **fun** httpPostAsync(url: String, data: String): Deferred<String>.
3. Verify `httpPostAsync` works correctly.